

Coil Springs Material Data



www.simf-parts.com

Material	Standard				Character	Application
	GB	JIS	ASTM/SAE	DIN		
Corrosion resistant steel	1Cr17Mn6Ni5N	SUS201	201	X12CrMnNiN17-7-5	The nickel content is small, which does not meet the salt spray test requirements.	Used for Craft springs
	1Cr18Mn8Ni5N	SUS202	202	X12CrMnNiN17-7-5		
	1Cr17Ni7	SUS301	301	X12CrNi17-07	These materials are Acid and alkali resistant, high temperature resistant. Widely used for springs production.	Suitable for Electronics, electrical appliances, daily necessities tools, locks, toys, etc., and other various products
	1Cr18Ni9	SUS302	302			
	0Cr18Ni9	SUS304	304	X5CrNi18-10		
	0Cr17Ni12Mo2	SUS316	316	X5CrNi17.12.2		
	2Cr13	SUS420	420	X20Cr13		
	07Cr17Ni7Al	SUS631	SAE17-7	X7CrNiAl17.7		
	PH15-7M0					
				It has good corrosion and oxidation resistance below 980°C, High strength below 800°C, Good relaxation resistance below 540 °C	Mainly used in the manufacture of aero-engines that work below 800°C and require high-strength corrosion resistance.	
GH145/GH4145	NCF750	InconelX-750	NiCr15Fe7TiAl			

Material	Standard				Character	Application
	GB	JIS	ASTM/SAE	DIN		
Carbon steel	65Mn		1066	Ck67	High hardness and good elasticity.	Electronics, electrical appliances, daily necessities and tools, locks, toys, etc.,
	70		SAE1070			
	85	SUP3	1086	Ck85		
	60Si2MnA	SUP6	SAE9260	60Si7		
	60Si2CrA	SUP12	SAE9254	67SiCr5		
	55CrSiA					
	50CrVA	SUS10A	6150	51CrV4		
	Music wire	SWP-B/SWP-A			Tensile resistance, long service life,	Suitable for various products
Special alloy	H62(黄铜)	C3712	C28000	CuZn40	Good electrical conductivity	Applied for Electronics, electrical appliances, antennas, etc.
	QSi3-1(青铜)	C6561				
	QBe2(铍青铜)	C1720	C17200			